CIVIL TECH CONSULTANTS AND ENGINEERS

TEST REPORT STATEMENT

1	Cement – Sample 1	
2	03.05.2016	
3	02.05.2016 to 04.05.2016	

The results of the tests conducted on the cement sample are as follows:

Sl No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS: 4031 (Part -4) 1988(RA-2009)	30.00 %	
2	a) Initial Setting Time	IS: 4031 (Part -5) 1988(RA-2009)	151 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS: 4031 (Part -5) 1988(RA-2009)	475 Minutes	Not More than 600 Minutes
3	Soundness by Le Chatelier Method	IS: 4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

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CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC 17025 : 2005

Job No. : CTCE/BBMP/ Nov-15/MR/CSR-05/0284/SANTS-Godown/ 2016-17 : 04.05.2016

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* Customer	: Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: Mr. M. Rajashekar, #90, 34th Cross, Jogarahalli, Rajajinagara, Bangalore.
* Name of Work	: Improvements and construction of ue road from Dharmasiada Hotel via Coconut Garden Chaplamma circle to Basavanna temple in Dasarahalli 9/ard No.15, BBMP, Bangalore.
Reference	: BBMP/DZ/AEE/TDSD/PR/2016-17 Dated: 02.05.2016
Technical Reference	: IS : 2386 Part 1 - 1963 RA-2007
Sample ID	: Fine Aggregates - Sample 1
Sample Received on	: 02.05.2016
Date of Testing	: 04.05.2016

Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	94.00	90-100	90-100	90-100	95-100
2.36	81.20	60-95	75-100	85-100	95-100
1.18	61.30	30-70	55-90	75-100	90-100
600 Micron	31.50	15-34	35-59	60-79	80-100
300 Micron	17.50	5-20	8-30	12-40	15-50
150 Micron	7.60	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

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TEST REPORT ON DETERMINATION GRADATION OF COARSE AGGREGATES

* Customer	: Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore	
* Agency	: Mr. M. Rajashekar, #90, 34th Cross, Jagannahalli, Rajajinagara, Bangalore.	
* Name of Work	: Improvements and constructions of cc road from Dharmavada Hotel via Coconut Garden Chaplamma circle to Basavanna temple in Dasarahalli Ward No.15, BBMP, Bangalore.	
Reference	: BBMP/DZ/AEE/TDSD/PR/2016-17 Dated: 02.05.2016	
Technical Reference	: IS : 2386 Part I -1963 RA-2007	
Sample ID	: Coarse Aggregates (40mm) - Sample 1	
Sample Received on	: 02.05.2016	
Date of Testing	: 04.05.2016	

Total Wt. of Aggregates in gms= 7000

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	98.21	95-100	85-100
20	41.36	30-70	0-20
10	12.79	10-35	0-5
4.75	1.36	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits.

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Job No.: CTCE/BBMP/W.No.15/MR/STEEL/2016-17

06.05.2016

TEST REPORT ON REINFORCEMENT STEEL

Customer		
Agency	:	**Asst. Executive Engineer**, T. Dasarahalli Sub Division, BBMP, Bangalore.
		Mr. M. Rajashekar, #90, 34th Cross, Jugarahalli, Rajajinagara, Bangalore.
Name of the Work	:	Improvements and construction of cc road from Dharmastala Hotel via Coconut Garden Chaplamma circle to Basavanna temple in Dasarahalli Ward No.15, BBMP, Bangalore.
Reference	:	BBMP/DZ/AEE/TDSD/PR/2016-17 Dated: 02.05.2016
Date of Test	:	06.05.2016
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm²	Tensile strength (Ultimate stress) N/mm²	Elongation percent gauge length		
1	10	0.62	514	557	13.35	O.K	O.K

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Job No.: CTCE/BBMP/W.No.15/MR/CSR-05/0284/CUBE/2016-17 09.06.2016

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: Mr. M. Rajashekar, #90, 34th Cross, Juganahalli, Rajajinagara, Bangalore.
* Name of the work	: Improvements and construction of ce road from Dharmaraja Hotel via Coconut Garden Chaplamma circle to Basavanna temple in Dasarahalli Ward No.15, BBMP, Bangalore.
* Reference	: BBMP/DZ/AEE/TDSD/PR/2016-17 Dated: 02.05.2016
* Sample ID	: Road Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day
Sample Received on	: 09.06.2016

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.05.2016	09.06.2016	8.198	703.3	31.26
2	12.05.2016	09.06.2016	8.265	720.3	32.01
3	12.05.2016	09.06.2016	8.390	721.3	32.06

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Lab Ref. : CTCE/BBMP/W.No.15/MR/CSR-05/0284/CUBE/2016-17 09.06.2016

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: Mr. M. Rajashekar, #90, 34th Cross, Jugunahalli, Rajajinagara, Bangalore.
* Name of the work	: Improvements and construction of cc road from Dharmaraja Mohalla via Coconut Garden Chaplamma circle to Basavanna temple in Dasarahalli Ward No.15, BBMP, Bangalore.
* Reference	: BBMP/DZ./AEE/TDSD/PR/2016-17 Dated: 02.05.2016
* Sample ID	: Road Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day
Sample Received on	: 09.06.2016

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/
1	12.05.2016	09.06.2016	8.110	715.2	31.7
2	12.05.2016	09.06.2016	8.265	725.3	32
3	12.05.2016	09.06.2016	8.310	732.6	

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

10.06.2016

* Customer	: **Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: **Mr. M. Rajashekar,** #90, 34th Cross, Juganahalli, Rajajinagara, Bangalore.
* Name of the work	: Improvements and construction of cc road from Dharmastala Hotel via Coconut Garden Chaplamma circle to Basavanna temple in Dasarahalli Ward No.15, BBMP, Bangalore.
* Reference	: BBMP/DZ/AEE/TDSD/PR/2016-17 Dated: 02.05.2016
* Sample ID	: Road Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day
Sample Received on	: 10.06.2016

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.05.2016	10.06.2016	8.289	720.5	32.02
2	13.05.2016	10.06.2016	8.316	725.6	32.25
3	13.05.2016	10.06.2016	8.485	745.6	33.14

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